

Recommended Course Sequences for Job Clusters

MANUFACTURING CLUSTER

The tables below represent recommended course sequences for the manufacturing cluster. The tables are provided to assist local school systems in scheduling students with various interests within the manufacturing cluster.

Job Cluster: Production – Machining Interest (e.g., Assembler/Machinist/Machine Operator/Numerical Control Machine Tool Programmer/Tool and Die Maker/Electronic Semiconductor Processor)	
Recommended Course Sequence	
Grade	Course
9	Career Management Success
10	Programming and Logic
11	Principles of Manufacturing or Principles of Machining and Manufacturing
12	Manufacturing Applications or Digital Electronics

Job Cluster: Production – Welding Interest (e.g., Entry Level Welder, Welder Helper, Fabricator, Designer, Welding Draftsman)	
Recommended Course Sequence	
Grade	Course
9	Career Management Success
10	Computer Aided Drafting

11	Basic Principles of Welding
12	Advanced Welding Applications

Job Cluster: Professional and Technical--Engineers and Engineering Technicians

(e.g., Engineer/Engineering Technician/Engineering Manager/Industrial Production Manager)

Recommended Course Sequence

Grade	Course
9	Career Management Success
10	Programming and Logic
11	Computer Aided Drafting
12	Manufacturing Applications or Digital Electronics or Advanced Computer-Aided Drafting or Principles of Engineering

Job Cluster: Professional and Technical – Drafting Interest

(e.g., Engineer/Engineering Technician/Engineering Manager/Industrial Production Manager/Technical Draftsperson)

Recommended Course Sequence

Grade	Course
9	Career Management Success

10	Computer Aided Drafting
11	Advanced Computer Aided Drafting
12	Principles of Engineering